
SCIENCE

0846/02

Paper 2

For Examination from 2012

SPECIMEN MARK SCHEME

45 minutes

MAXIMUM MARK: 50

This document consists of **8** printed pages.



Question	1		
Part	Mark	Answer	Further Information
(a)	1	steam / water vapour	
(b)	1	condensation	
(c) (i)	1	salt	
(ii)	1	add water / mix with water	
Total	4		

Question	2		
Part	Mark	Answer	Further Information
(a)	1	dimmer / less bright / not as shiny / less light	All answers must refer to the observation: brightness of the lamp.
(b)	1	dimmer / less bright / not as shiny / less light	
(c)	1	brighter / more bright / more shiny / more light	
(d)	1	all lamps go out	
Total	4		

Question	3		
Part	Mark	Answer	Further Information
(a)	1	digestive	
(b)	1	stomach	
(c) (i)	1	Q	
(ii)	1	pump blood	Accept: makes blood flow, circulates blood. Do not accept: sends blood, transfers blood.
(d)	1	removes waste/urea	Accept: removes urine.
Total	5		

Question	4		
Part	Mark	Answer	Further Information
(a)	1	ice-cream	
(b)	1	22 / 23	units not necessary
(c)	1	butter	
Total	3		

Question	5		
Part	Mark	Answer	Further Information
(a) (i)	1	petal	
(ii)	1	anther	
(iii)	1	stigma	
(b)	1	nectar / smell / scent	
Total	4		

Question	6		
Part	Mark	Answer	Further Information
(a)	1	It blocks the light / It is opaque / Light cannot shine through it.	Do not accept: it is in the way.
(b)	1	C	
(c)	1	opaque	
Total	3		

Question	7		
Part	Mark	Answer	Further Information
(a)	1	vibrate / vibrations / vibrating	
(b)	1	pitch	
(c)	2	Any two from the following: pluck a thinner string stretch the string tighter make the string shorter/put finger on string closer to body of instrument/slide finger down fret	each correct answer = 1 mark
Total	4		

Question	8		
Part	Mark	Answer	Further Information
(a)	1	24	
(b)	1	365	Accept 365¼ days.
Total	2		

Question	9		
Part	Mark	Answer	Further Information
(a)	1	water vapour	Accept steam.
(b)	1	freezing	
Total	2		

Question	10											
Part	Mark	Answer			Further Information							
	1	<table><tr><td>solid</td><td>liquid</td><td>gas</td></tr><tr><td>A D</td><td>B</td><td>C</td></tr></table>			solid	liquid	gas	A D	B	C	all correct = 1 mark Accept words.	
solid	liquid	gas										
A D	B	C										
Total	1											

Question	11		
Part	Mark	Answer	Further Information
	1	She is pulled towards the Earth by the force of gravity.	
Total	1		

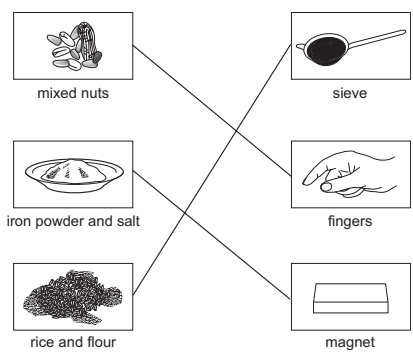
Question	12		
Part	Mark	Answer	Further Information
	2	a horse pulling a cart <input checked="" type="checkbox"/> the mass of a van <input type="checkbox"/> a magnet attracting a nail <input checked="" type="checkbox"/> striking a match <input checked="" type="checkbox"/> a jug of boiling water <input type="checkbox"/>	3 correct = 2 marks 1 / 2 correct = 1 mark If 4 boxes ticked and 3 are correct = 1 mark If 4 boxes ticked and 1 / 2 correct = 0 mark If 5 boxes ticked = 0 mark
Total	2		

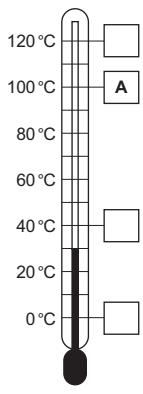
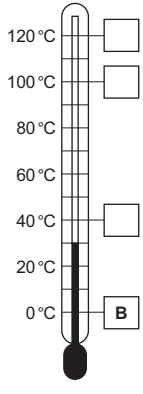
Question	13		
Part	Mark	Answer	Further Information
(a)	1	Arrow heads pointing as shown grass → impala → cheetah	
(b)	1	grass	
(c)	1	cheetah	
Total	3		

Question	14		
Part	Mark	Answer	Further Information
(a)	1	Fatima	Accept clear indication.
(b)	1	sugary foods fizzy drinks	both correct = 1 mark if more than two ticked = 0 mark
Total	2		

Question	15									
Part	Mark	Answer	Further Information							
	1	<table><tr><td>true</td><td>false</td></tr><tr><td>✓</td><td></td></tr><tr><td></td><td>✓</td></tr></table>	true	false	✓			✓	both correct = 1 mark	
true	false									
✓										
	✓									
Total	1									

Question	16										
Part	Mark	Answer	Further Information								
	3	<table><tr><td>A</td><td>Musca</td></tr><tr><td>B</td><td>Lestes</td></tr><tr><td>C</td><td>Arion</td></tr><tr><td>D</td><td>Atrax</td></tr></table>	A	Musca	B	Lestes	C	Arion	D	Atrax	4 correct = 3 marks 2/3 correct = 2 marks 1 correct = 1 mark
A	Musca										
B	Lestes										
C	Arion										
D	Atrax										
Total	3										

Question	17		
Part	Mark	Answer	Further Information
	2	 <p>mixed nuts</p> <p>sieve</p> <p>iron powder and salt</p> <p>fingers</p> <p>rice and flour</p> <p>magnet</p>	<p>3 correct = 2 marks</p> <p>1/2 correct = 1 mark</p>
Total	2		

Question	18		
Part	Mark	Answer	Further Information
(a)	1		
(b)	1		
Total	2		

Question	19																		
Part	Mark	Answer		Further Information															
	2	<table><tr><td>materials</td><td>made from living things</td></tr><tr><td>gold</td><td></td></tr><tr><td>wood</td><td>✓</td></tr><tr><td>diamonds</td><td></td></tr><tr><td>silk</td><td>✓</td></tr><tr><td>wool</td><td>✓</td></tr><tr><td>slate</td><td></td></tr></table>	materials	made from living things	gold		wood	✓	diamonds		silk	✓	wool	✓	slate		<p>3 correct = 2 marks 1/2 correct = 1 mark</p> <p>If 4 ticks = maximum marks If more than 4 ticks = 0 mark</p>		
materials	made from living things																		
gold																			
wood	✓																		
diamonds																			
silk	✓																		
wool	✓																		
slate																			
Total	2																		